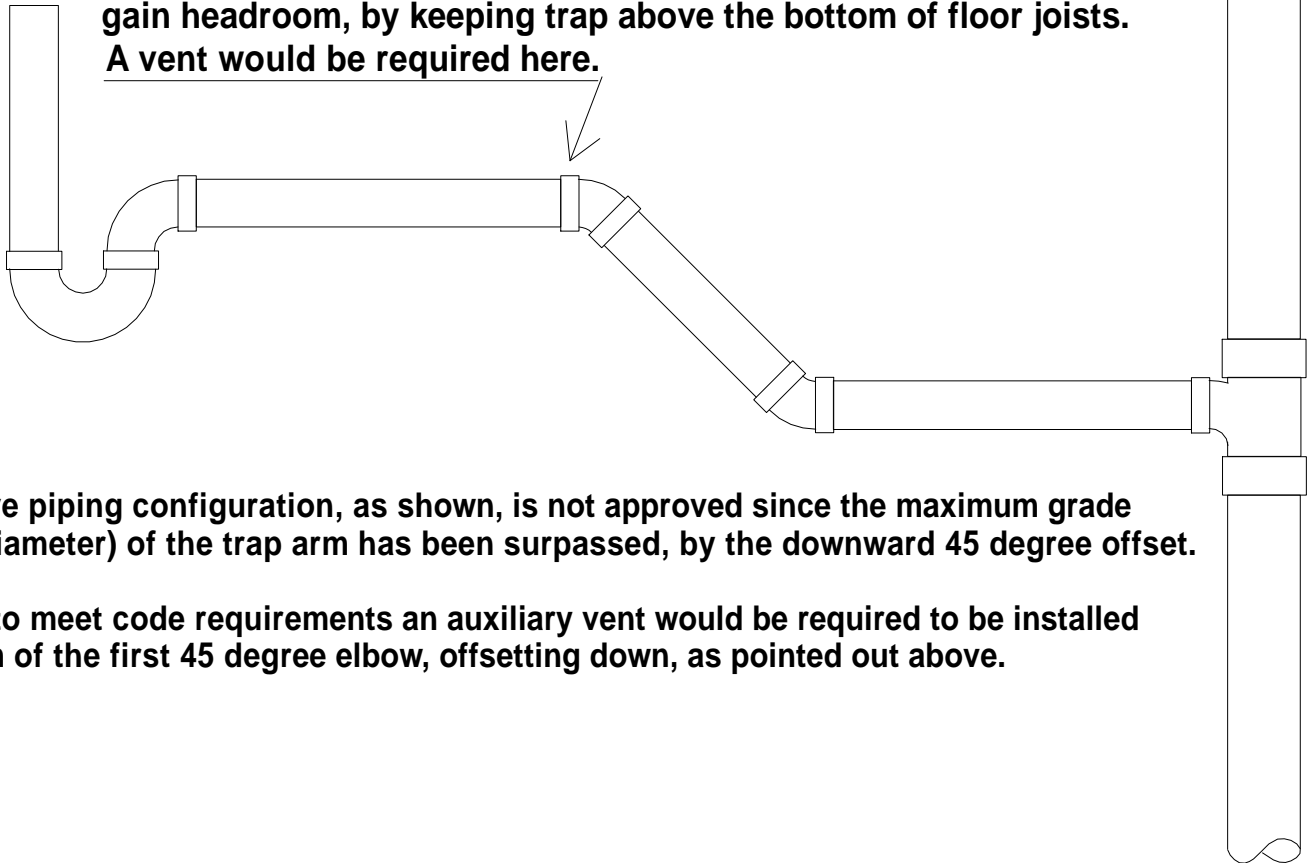


Problem Trap Venting

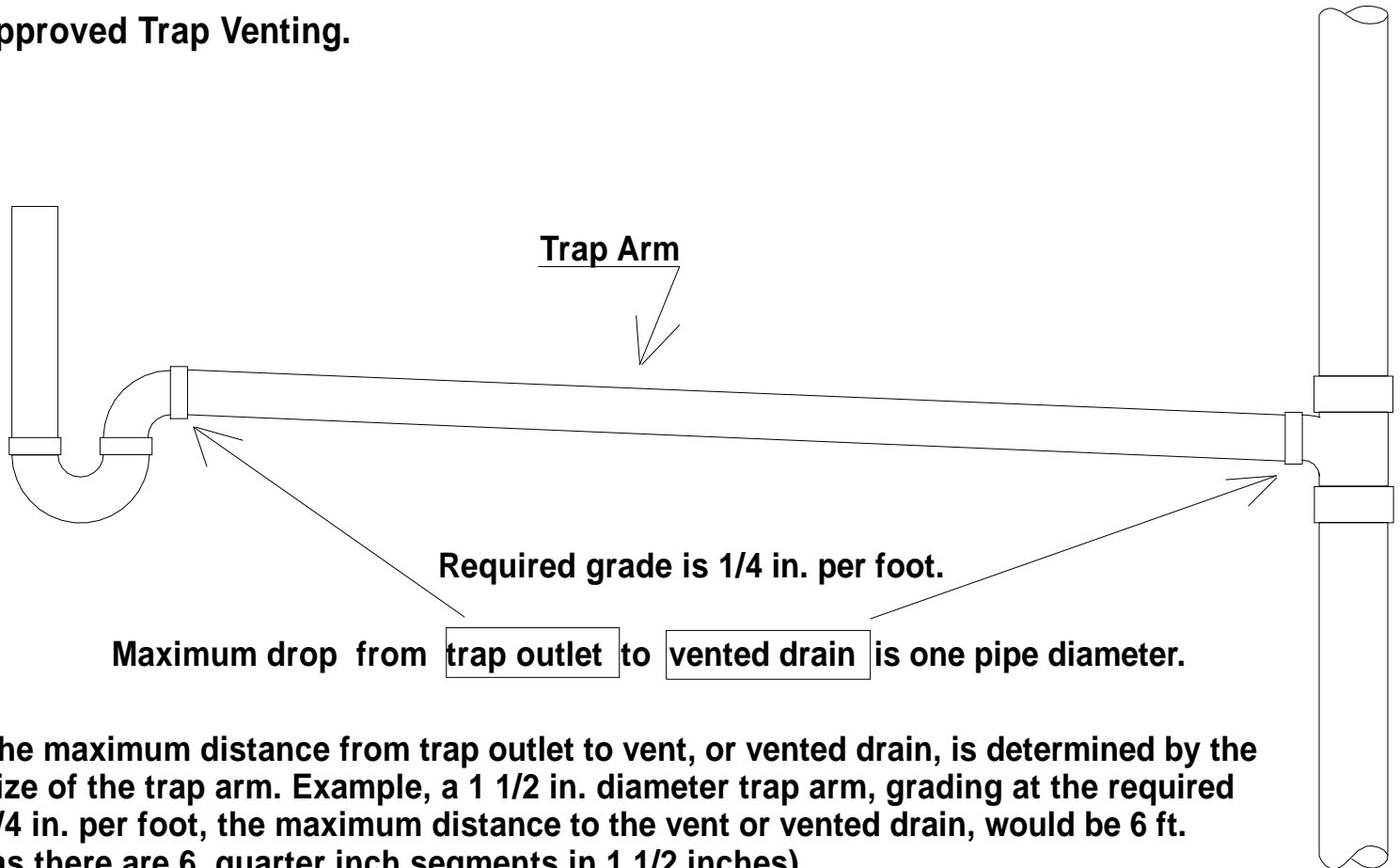
This configuration is often seen when installers are attempting to gain headroom, by keeping trap above the bottom of floor joists. A vent would be required here.



The above piping configuration, as shown, is not approved since the maximum grade (1 pipe diameter) of the trap arm has been surpassed, by the downward 45 degree offset.

In order to meet code requirements an auxiliary vent would be required to be installed upstream of the first 45 degree elbow, offsetting down, as pointed out above.

Approved Trap Venting.



The maximum distance from trap outlet to vent, or vented drain, is determined by the size of the trap arm. Example, a 1 1/2 in. diameter trap arm, grading at the required 1/4 in. per foot, the maximum distance to the vent or vented drain, would be 6 ft. (as there are 6, quarter inch segments in 1 1/2 inches).

